

What is claimed is:

- Sub A1*
1. A liquid crystal display controller in which a digital image input signal is input to and data-processed and the digital image input signal is output to a liquid crystal driver for driving a normally white or normally black liquid crystal panel, comprising:
 - an inverter for inverting the digital image input signal,
 - 5 a selector for choosing and outputting the signal inverted by the inverter and the digital image input signal depending on a switching signal,
 - a data processor controlling a voltage luminance of the signal transmitted by the selector and transmitting the signal to the liquid crystal driver.
 2. A liquid crystal display controller according to claim 1, wherein the switching signal shows whether the liquid crystal panel is normally white or normally black.
 3. A liquid crystal display controller according to claim 1, wherein the switching signal shows whether the liquid crystal panel is a TN liquid crystal panel or a transverse electric field liquid crystal panel.
 4. A liquid crystal display controller according to claim 1, wherein the switching signal identifies whether a gradation power source is provided for a TN liquid crystal panel or for a transverse electric field liquid crystal panel, depending on the type of liquid crystal panel provided.
 5. A liquid crystal display controller according to claim 1, wherein the data processor generates a drive signal for a vertical driver and a drive signal for a horizontal

driver to be transmitted to the liquid crystal driver when the digital image input signal comprises a pixel signal for RGB and scanning line information.

6. A liquid crystal display comprising;

a liquid crystal panel being either normally white or normally black,

a gradation power source supplying voltage depending on the liquid crystal panel,

5 a liquid crystal display controller comprising an inverter for inverting a digital image input signal, a selector for choosing and outputting the signal inverted by the inverter and the digital image input signal depending on a switching signal, a data processor for processing data for showing the signal transmitted by the selector on the liquid crystal panel, and

10 a liquid crystal driver transmitting the digital image input signal data-processed in the liquid crystal display controller to the liquid crystal panel using electric power supplied by the gradation power source.

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